

Cambrian

St John basin -
New Brunswick.

July 199.

H.B. rec.

Lower Cambrian. =

Etcheminian section of
Matthew. Hanford Brook
above McCabe's saw
mill.

St John. C. N.B.
June 8/98

Fossil Congl. just
above on eruptive
rock shans in the r.
bank of the stream.

1) Rather coarse Congl.-
Cobbles up to 6" diameter -
White & greyish reddish &
greenish calmed. At 120
ft. the purple tint of
the matrix disappears &
a white bed of gritty
congl.-appears.

128.

Concealed by drift

51.

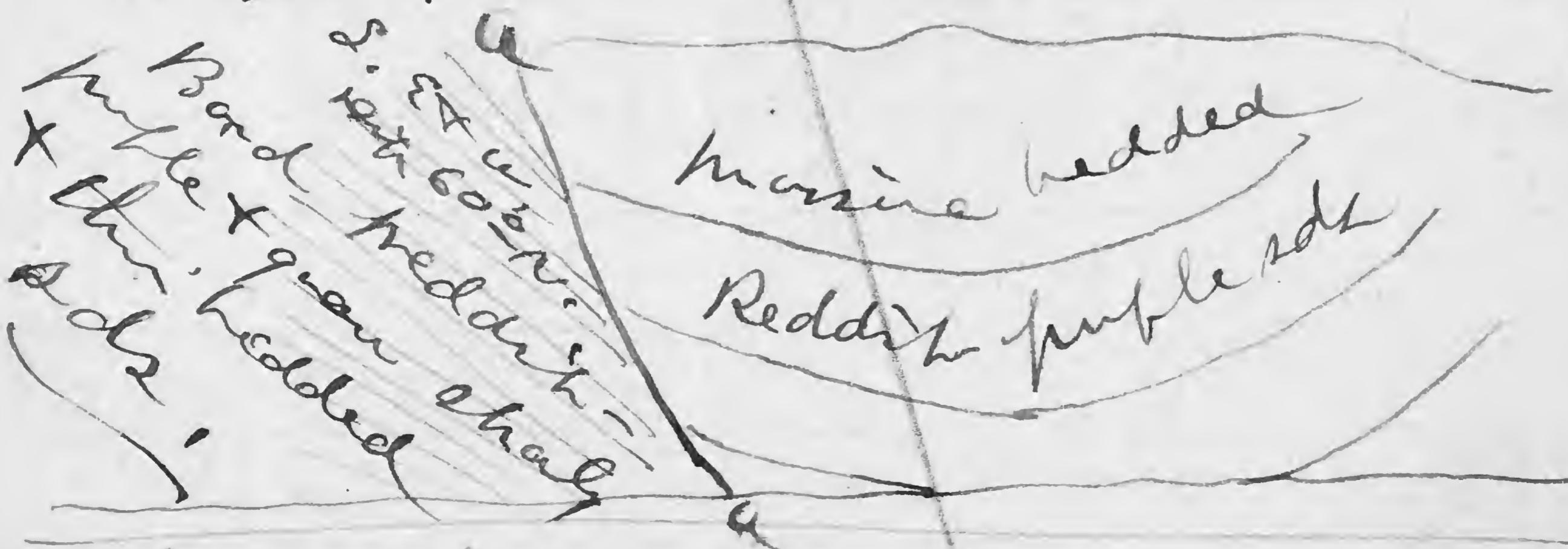
150. 14.

H.B. Rec 3

2. Blk reddish-purple
& greyish-purple fine
grained sandstone
with fine flakes of
mica - Layers 1 in to
2 feet thick -

Strike N. 60° E. dip
 40° N.W. At 50
feet up the dip is 30°
at 80 feet, 20° & at
N. 50° E.

A little
further down the bank
the strike swings to
E & W - dip N. A
syncline is formed
with a fault on the
west.



Of 2. there is about 170
feet to fault, a.s.

$$\begin{array}{r} 48 \quad 240 \\ \underline{-} \quad \underline{32} \\ 22 \end{array}$$

$$\begin{array}{r} 70 \\ \underline{23} \\ 47 \quad 350 \\ \underline{47} \\ 397 \end{array}$$

St. N. 40° W. 11
Alt. 30°

H.B. Rec. 3

The fault brings up the
Fossil conglomerate
on the south side of
the bank just west
of some greenish red
shales - No 2 - is
started again from the
top bed of the Cargal,

(a) grey & greenish grey -
Flaggy micaeony sds.
with thick beds of
sd.

It appears N. ~~55° E~~ East
slip, 25° N. W.
The greenish bed-color soon
gives way to the reddish-
purple to greyish-purple
fine grained micaeony
sds. - At 120 feet
up water trails $\frac{1}{2}$ "
broad on surface of
thick bedded sdstone
at 272 feet layer of
small white & grey pebbles

$$\begin{array}{r} \underline{560} \\ -45 \\ \hline \end{array}$$

3320.
45-

19. 10. 1907

H. B. Recn 4

appear in the dark limestone.

The outcrops of are almost continuous either in the stream bed or on the banks.

Slip measures from 25° to 30°
+ gradually up to 40° . Strike
swings around to N. 65° E.

395

3. Reddish-purple
cangl. - white grits -
reddish - greenish. +
dark pebbles. Some
~~2 to 6 mm.~~
~~diameter,~~ same
type of cangl. as at
the base ~~except~~
~~smaller pebbles,~~ 30.-

4. Reddish & greenish
sdy & anal. shabs &
nds with a few
thin, interbedded cal-
careous layers.

Carrying hyalitic like
H. communis, Caleolites -

62.
310
40

12⁰

H.B. Rec.

5 Ophidion labradoricum

Aug 18/98 at a brachiopod, also
~~casts~~ of a ~~elephant~~ fossil
like ~~H. conus~~ ~~C. californicus~~.
The shales became more
overaceous & soon passed
into massive bedded
purple shales & sds.

At 135 feet at the
strike chas. swing to
N. 70° E.

At 350 feet up the
str. is N. 60° E. dip 20°
N. w.

Found some sand
gap. covered. at 350
20° dip = 136 ft
rock. 136

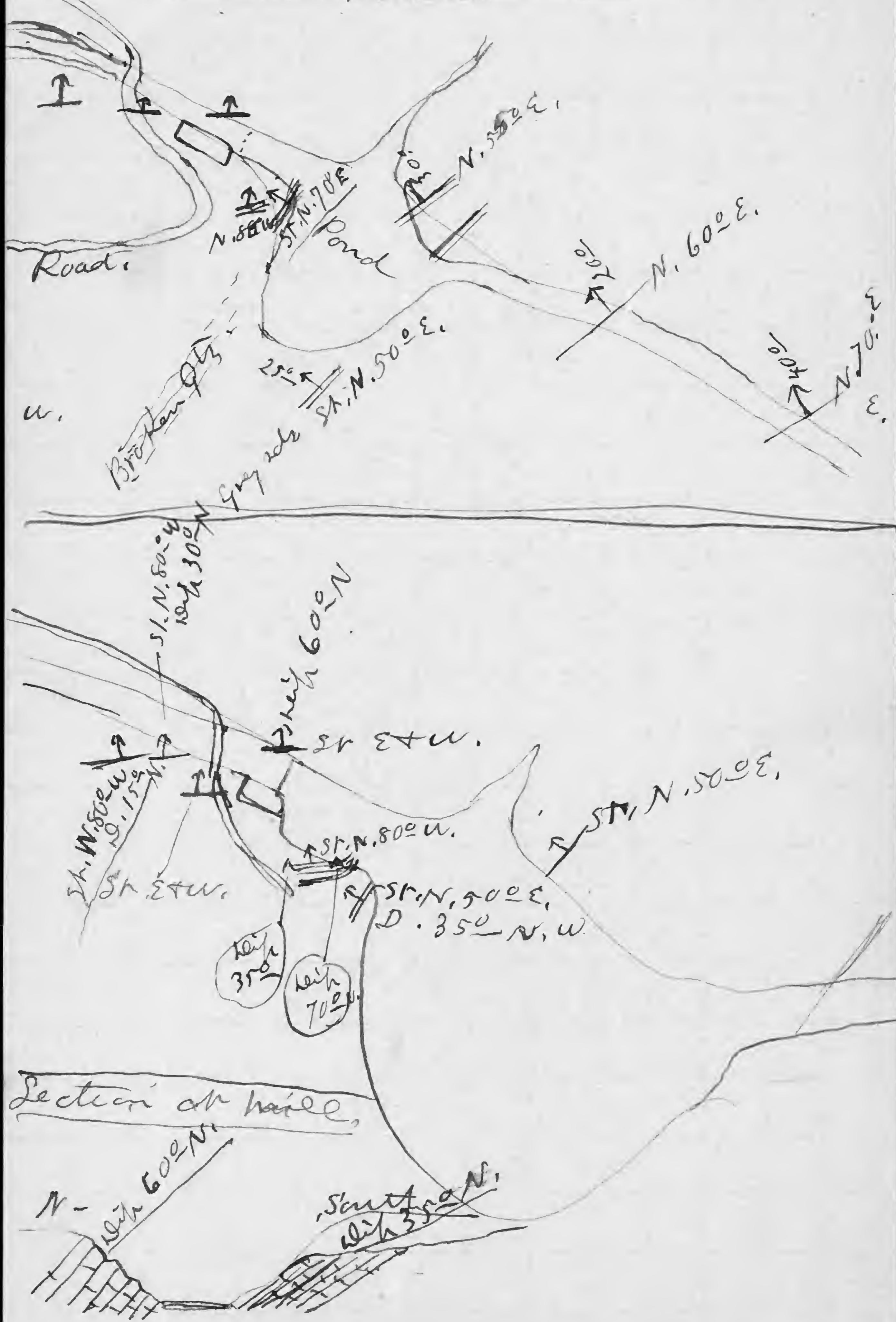
1042.

Boral y^ts of str
John Tenine.

Str. N. 50° E. dip
30° N.W.

H.B. Co.

6
North.



H.B. rec. 7
The unconformity shown
by G. F. Matheron between
the basal St John quartzite
& the subjacent Etchelonian
is based on a twist &
fault within the St John
quartzite. The two forma-
tions are conformable
where in contact near
the head of Leely Street
St John, and as far as
can be determined,
owing to the covered space
of -250 feet, conformable
East Hanford Brook.
The St John basal
quartzite is the base of
the Middle Cambrian.
The strata beneath
being referred to the
Lower Cambrian - The
name Etchelonian is
the a synonym for

H.B. Sec.

8

Lower Cambrian. For
the formation on Harford
Brook representing the
Lower Cambrian the
name Harford might
be used. For the
Lower Cambrian of
Newfoundland the
name Manuel from
Manuels river where
the fauna was first
recognized & described.
The best section is at
Smith Sound Trinity
Bay.

H.B. Rec.

9

Middle Cambrian (Paradoxes)

3rd St John quartzite.

White-quartzite in massive layers passing above its greenish-tinted lower rock. About 30 feet exposed in one place.

30+

2nd D. Dark green-to grayish-green fine grained, compact, hard sandstone.

Fossils - Numerous small tracheopods - Fauna B. I. of Matthew.

B

Protolenses

2nd

2nd L. Fine grained dark-grey arenaceous argillite in thick layers 10-20 in thick

30.

34

18.

16.

H.B. sec.

10.

that break up an effusional
into irregular shaly layers.

Dip 25° N. St. E. & W. 16.

Fossils. Fauna B. 2. of
Matthew.

About midway of this
subdivision a layer
containing small phosphat-
ic nodules occurs. These
nodules occur in the
lower ~~3 inches~~ of a 14" in
layer.

5.
8 1/2 Massive bed of fine
grained ~~sands~~ grey sandstone with
a 4" thick with
phosphatic nodules near
the bottom carrying
numerous fossils. Some
shaly bands layers &
then another layer
of sandstone 8" thick

30.

H.B. sec 11.

with numerous small
phosphatic nodules with
fossils.

Fauna B. 3. of Maether, 10.

2d. Grey sandstone & shale
to base of Ponadoxides
fauna.

Fauna B. 485. of 3d.
Maether.

1^a Shallow & N. with 45° N.

3 Ponadoxides beds
a. Calcareous or gillaceous
layers carrying Ponado-
dexides lamellatus?

Stenotheca -

Orthisina - etc, 3.

1^b. Greenish shales with
many fossils -

2^c. Greenish shales
carrying abundant

H.B. sec.

Remains } of Paradoxides
etc - }
 } 12
 }
 } 30 +

Concealed } above this
horizon - }

St John terrane = Middle Cambrian

$$\begin{aligned} \checkmark 1 &= 30 - 30 \\ \checkmark 2a &= 18. \\ \checkmark 2b &= 16 \\ \checkmark 2c &= 10 \\ \checkmark 2d &= 34 - 78. \\ \checkmark 3^a &= 3 \\ \checkmark 3b &= 30 = \frac{33}{141} \end{aligned}$$

young
old

~~Mr 43~~ → 45.0

→ 215 3.
B. 1. 2.
- 3. 4.
- 5. 6.
- 7. 8.
- 9. 10.
- 11. 12.
- 13. 14.
- 15. 16.
- 17. 18.
- 19. 20.
- 21. 22.
- 23. 24.
- 25. 26.
- 27. 28.
- 29. 30.
- 31. 32.
- 33. 34.
- 35. 36.
- 37. 38.
- 39. 40.
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- 75. 76.
- 77. 78.
- 79. 80.
- 81. 82.
- 83. 84.
- 85. 86.
- 87. 88.
- 89. 90.
- 91. 92.
- 93. 94.
- 95. 96.
- 97. 98.
- 99. 100.

155

Brock
N. S. & G. Co.
The old
Brock

Sketch
N. 60° E

Almond
Chandler
recks

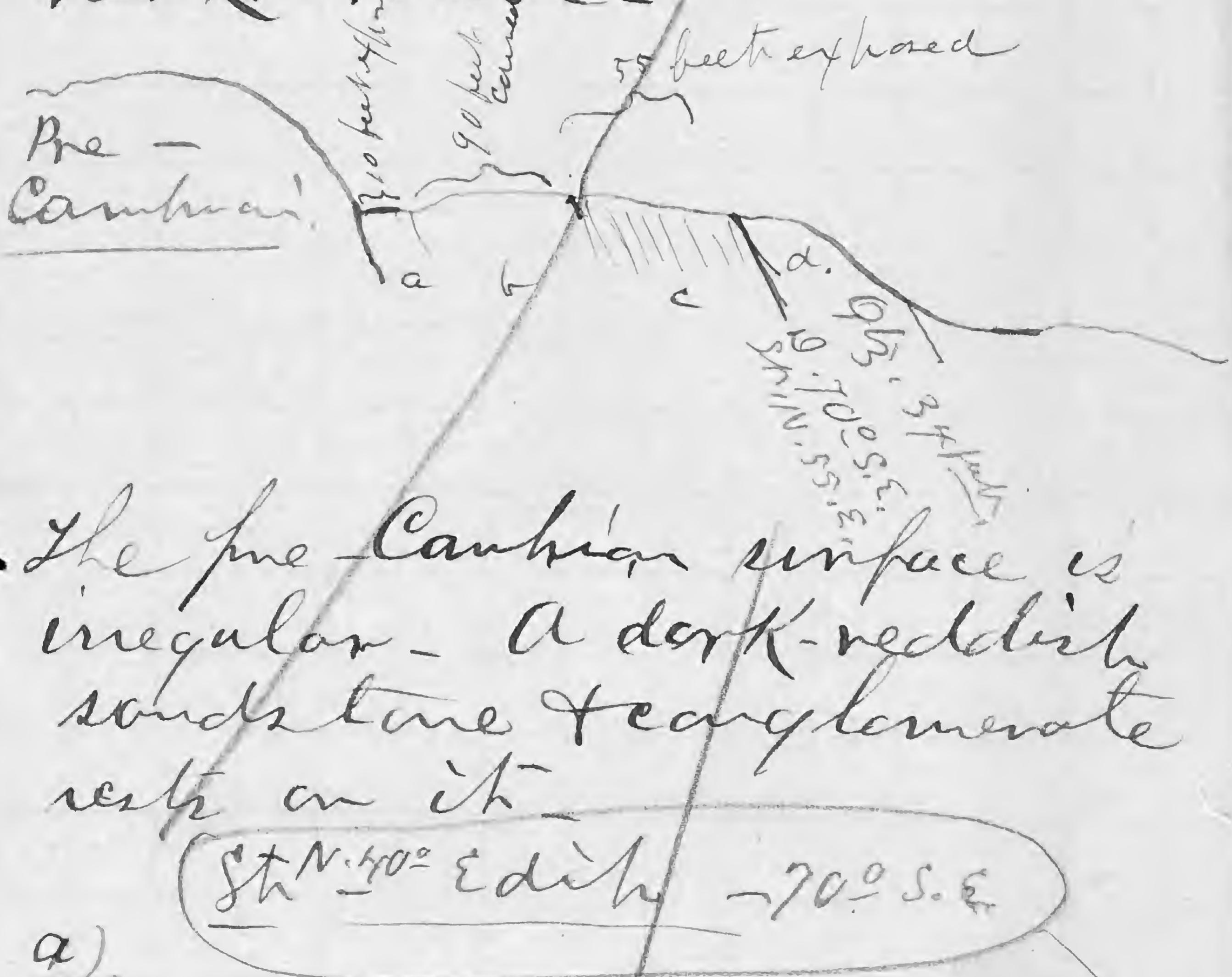
1

This image shows a very faint, handwritten document. The text is written in cursive and appears to be in two columns. The first column contains the following words: "Sister", "John", "and", "the", "other", "two", "sons", "of", "the", "same", "mother". The second column contains the following words: "are", "now", "dead", "but", "the", "two", "sons", "of", "the", "other", "mother". There is also some extremely faint text at the bottom left that is mostly illegible but includes "and", "the", "other", "two", "sons", "of", "the", "same", "mother".

25

Cambridge
Mass., 1870.

~~Lection~~ ^(North) off road at
head of Reely Street
along side of the a
Park Road.



a) Reddish congl & rd.,
Qtz, red & greenish band
shale - pebbles & small
shale concretions.
best exposed.

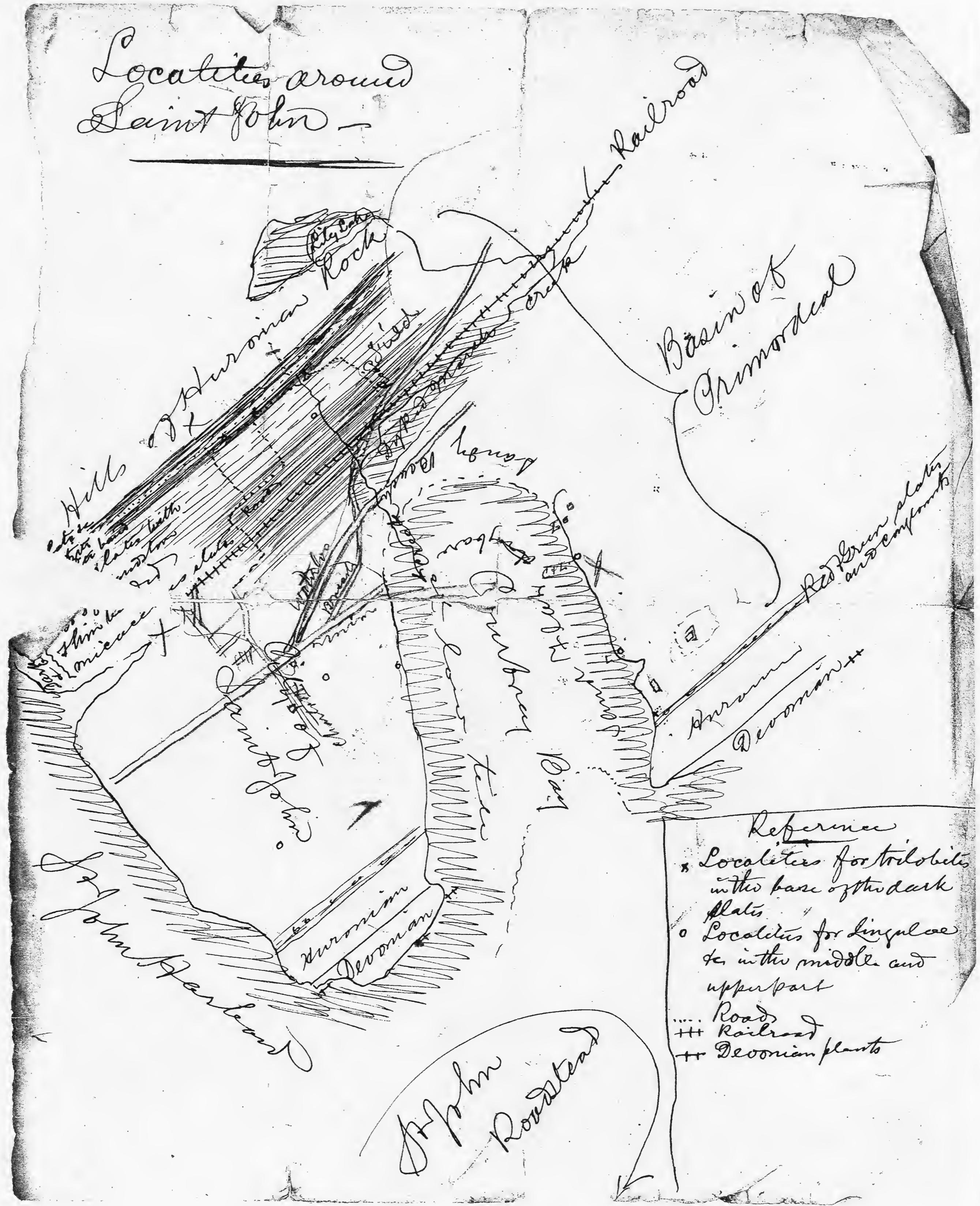
St. J -

b. Concealed but from debris
in soil apparently red &
greenish red shales ^{80. @ 70.}

c. Reddish-purple & greenish
arenaceous-mucaceous shales
& sandstone in thin
layers. 55 @ 70,

d. Light gray. Fine
grained quartzitic,
sandstone becoming
coarser above. Below
a layer of white & grey
pebble conglomerate
near the top. 40 to 45 feet.
Stratiform N. 55° E,
Dip 70° S.E.

Localities around
Saint John -



No. 25.

F. R. I. E.

Report No.

116

PORT OF

St. John's Harbour

187

Entry No.

1448

Imported by

C. G. T. C. & Co.

per

C. G. T. C. & Co.

Master, from

Port of London

Marks
and
Numbers.
Number
of
Packages.

DESCRIPTION OF GOODS.

QUANTITY.

VALUE.
Dollars Cents.

Old & New Cotton
Cotton

35.00